

## ABSTRACT

5 A stage assembly (10) for moving a device (26) along an X axis and a Y axis includes a stage base (12), a device table (16), a stage mover assembly (18), a measurement system (21), and a control system (22). The stage mover assembly (18) includes a pair X guide movers (82) (84) and a Y table mover (87). The measurement system (21) includes a first X system (100) and a second X system (102). The control system (22) receives the position signals from the measurement system (21) and directs current to the X movers (82) 10 (84) to move the device table along the X axis. The control system (22) can be designed to not skip any servo cycles during switching of position signals.

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